OOK

ith	Depth 6	Contents 7	Reference to last Measurement 8

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496440

Premeasurements:

Serial No. first and final bill:-

Name of Work Beautification of Indira ~~From~~ canteen site in To Ward no.07, byalarayanapura.

Name of Contractor of nature of Agency Sri. Pradeep. Suraparaju.

Date of commencement of work Est cost: 10.00 lakhs

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Job code:-	007-18-	00007	2			
	Head of account:-	P1771					
	A-S.NO:-	AS|EE|BTP|186|18-19; dt: 17.02.18					
	T.S.NO:-	TS|EE(BTP)|72|18-19; dt: 17.02.18					
	Agr no:-	NO.EE|BTP|Agr|138|18-19; dt: 27.09.18					
	Work order no:-	NO.EE|BTP|WO|138|18-19; dt: 27.09.18					
	Work order amount:	923064.60					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item.No.01:- Premeasurements recorded: 09.10.18						
	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average,						
	For compound wall sides	02	18.0	0.75	0.90	= 24.30	
	For compound wall front	01	26.0	0.75	0.90	= 17.55	
	For compound wall back:	01	26.0	0.75	0.90	= 17.55	
						59.40 cum	
	Abstly. N.D AE(WZ)						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item.No.02:- Premeasuremen
	Providing and l
	1:3:6 with OPC cement
	granite metal,
	Below flagging course c
	Front side
	Back side
	L-HS / R-HS side
	Front both side

BOOK

ons		Contents	Reference to last Measurement
readth 5	Depth 6	7	8
3			
means in ordinary soil			
ow upto 2m and an			
0.75	0.90	= 24.30	
0.75	0.90	= 17.55	
0.75	0.90	= 17.55	
		59.40 cum	
(U).N.D			
AE(W2)			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496441

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item.No.02:- Premeasurements recorded : 12.10.18						
	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement 220 kgs, with 40mm and down size graded granite metal,						
	Below flagging course	04x2	18.0	0.3	0.15	= 6.48	
	Front side	01	26.0	0.75	0.15	= 23.40	
	Back side	01	26.0	0.75	0.15	= 23.40	
	L-HS / R-HS side	02	18.0	0.75	0.15	= 4.05	
	Front both side	02	5.0	2.0	0.15	= 12.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Pathway	01	10.0	2.50	0.15	= 30.00	
						99.33 Cum	
		Applf. N.O					
		AE(W)					

Serial No. MAIN-BILL

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Item No. 01:- Earthwork involving an average upto 1.50m excavated the disposed earth to b Qty vide page At the rate
	Item No. 02:- Providing of mix 1:3:6 with OPC graded granite met

OOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
0	0.15	= 30.00	
		99.33 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 496442

Serial No. MAIN-BILL

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Item No.01:- Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average left upto 1.50m excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete						
	Qty vide page no. 496441 →					59.40 cum	
	At the rate of Rs. 81.10 →						4817.30
	Item No.02:- Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement 220 kgs with 40mm and down size graded granite metal coarse aggregates e 0.83 cum and fine						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15cm thick, well compacted, in foundation including cost of all materials, labour, TOM of machinery, curing complete.,						
	Qty vide page no. 496441 →					99.33 cum	
	At the rate of Rs. 4990.39 →					495695.40	
Item No.03:-	Providing and constructing granite /trap/ basalt sse stone masonry in foundation with cement mortar 1:6 stone hammered dressed in courses not less than 20 cms high bond stones at two m. apart in each course including cost of materials, labour, curing complete.,						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Num
1	2	3
	At the rate of Rs. 4	
Item No.04:-	Providing and c masonry in basement with courses not less than 15 course including cost o per specifications.	

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
ed		, concrete laid in	
		compacted, (i)	
eri		als, labour, HOM	
		99.35 cum	
		495695.40	
ite		trap/ basalt size	
ceme		nt mortar 1:6 stone	
ess		than 20 cms high	
ch		course including cost	
plet		e.)	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496443

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		02 —	26.00	0.60	0.60 =	18.72	
		02 —	18.0	0.60	0.60 =	12.96	
						31.68 cum	
	At the rate of Rs. 4140.86 →						131182.40
	Item. NO. 04:- Providing and constructing granite/ trap/ basalt size stone masonry in basement with cement mortar 1:6 stone chisled dressed in courses not less than 15cms high bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	R/S	01	18.0	0.45	0.45	= 3.65	
	L/S	01	18.0	0.45	0.45	= 3.65	
	Front side	01	23.0	0.60	0.45	= 6.21	
	Back side	01	26.0	0.45	0.45	= 5.27	
						18.77 cum	
						92908.50	
	At the rate of Rs.	4949.84 →					
Item No 05:-	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite gr. metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid layers not exceeding 15 cm in well compacted in foundation						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Nu
1	2	
	and plinth and sills, machinery, curing compl	
	coping on sidewalls:	
	Compound wall:	
	At the rate	of
Item No 06:-	Providing	
	solid blocks of size	4

OK

Depth 6	Contents 7	Reference to last Measurement 8
0·45 =	3·65	
0·45 =	3·65	
0·45 =	6·21	
0·45 =	5·27	
	18·77 cum	
	92908·50	
lain cement concrete of 20mm and down size gregates 0·69 cum rine mixed, concrete laid mpacted in foundation		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 496444

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	and plinth and cills, including cost of all materials, labours, HOM of machinery, curing complete as per specifications.						
	coping on sidewalls:	02	18·0	0·45	0·10 =	1·62	
	Compound wall:	01	26·0	0·45	0·10 =	1·17	
		01	26·0	0·60	0·10 =	1·56	
						4·35 cum	
	At the rate of Rs.		5381·04 →				23407·50
	Item No 06:- Providing and constructing non load bearing wall with solid blocks of size 400x200x200mm having					block density not less	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1800 kg/m³ and having block density not less than ~~1800~~ average compressive strength 4.00 N/mm² confirming to IS 2185 and constructed with CM 1:4, as per IS 2572: 2005 including cost of all materials, labour charges.,						
	B/s - compound wall:	01	26.0	2.0	-	= 52.00 sqm	
	At the rate of Rs. 926.67 ಪ್ರ.ಅ. (ಪ್ರಾ.ಪ)					48186.80	
Item. No. 07:-	Providing 12mm th cement plaster in single coat with single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, including cost of materials, labour, curing complete.,						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Age
Date of commencement of work .....

Date	Full description, etc, of wor
1	2
	B/s - compound w
	At the rate
Item. No. 08:-	Providi
	using reinforced
	20mm and down
	and bar bending
	exceeding 15cm.
	labour curing

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
		not less than [illegible]	
		confirming to IS 2185	
as		2572 : 2005 including	
;			
		- = 52.00 sqm	
		48186.80	
		in single coat with	
		to brick masonry including	
d		smooth rendering,	
,		curing complete.,	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496445

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	B/s - compound wall:	01	26.0	2.0	-	= 52.0 sqm	
	At the rate of Rs. 179.01 →						9308.50
	Item No.08:- Providing and fixing 10 cms thick precast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centering shuttering, reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15cm. thick well compacted cost of all materials labour curing complete as per specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Front side (main road)	01	26.0	0.75	-	= 19.50	
	7th cross	02	18.0	0.75	-	= 27.00	
	8th cross	01	18.0	0.75	-	= 13.50	
						60.00 sqm	
						117558.00	
	Therate of Rs. 1959.30 →						
	Total →			923064.00			

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

AE(JT)
7/01/19

AE(JT)

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2

AE(JT)

Contents	Reference to last Measurement
7	8
= 19.50	
= 27.00	
= 13.50	
60.00 sqm	
117558.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496446

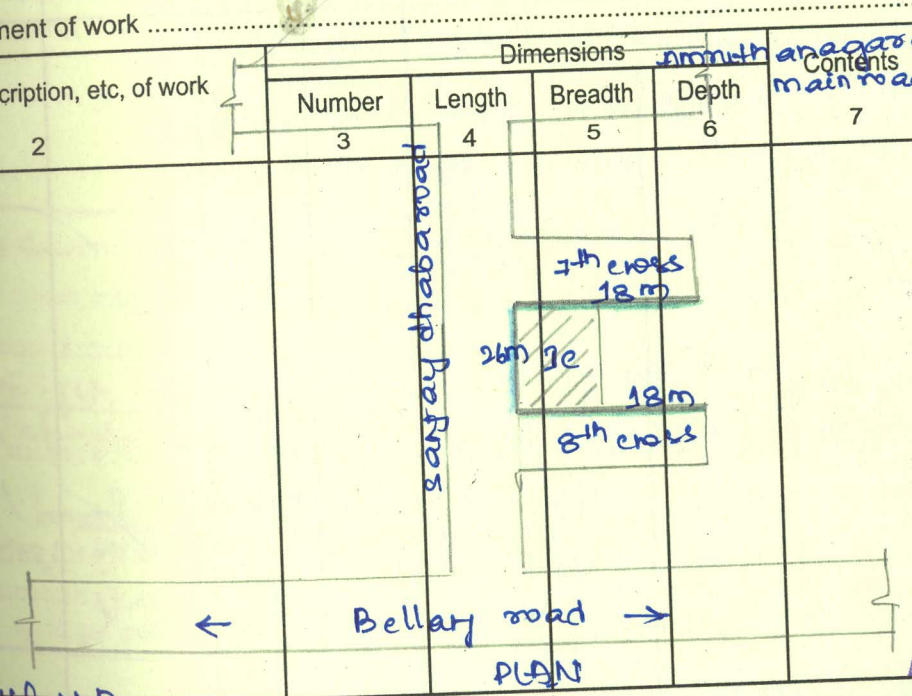
Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



INDEX

	Details
	Improvements to drain
	New drain

Assistant Executive Engr
Kodigehalli Sub Division

Asstt. N.D
AE(WI)

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Royalty charges.		coarse		fine		
Sl.No.	Details	Coeff	qty	coeff	qty.		
02	40mm - PCC - 1:4:8 - 99.33 cum	0.96	95.35	0.48	47.68		
05	20mm - 4.35 cum	0.90	5.92	0.45	1.95		
	total =		99.27		49.63		
	Abstract:-						
1)	coarse - aggregate:	99.27	x 105	/cum =		10423.35	
2)	fine - aggregate:	49.63	x 103	/cum =		5111.90	
						15535.25	

Serial No. .....
Name of Work .....
Name of Contractor of nature of A
Date of commencement of work ..

Date	Full description, etc, of
1	2

Contents	Reference to last Measurement
7	8
ty.	
.68	
95	
9.63	
04 23.35	
5111.90	
15535.25	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 496447

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ 9.23,064-00 ಗಳ ಪ್ರಮಾಣ ಮಾತಿದೆ : ಇದರಲ್ಲಿ ರೂ 51404-00 ಹೊಯಿಗೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು 8.71,660-00 Rs Eight lakh Seventy one Thousand Six hundred Sixty ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ Varalaxmi ಲೆಕ್ಕಾಧೀಕ್ಷಕರು 19/01 ಬ್ಯಾಟರಾಯನಪುರ ಉಪವಿಭಾಗ ಬೃ. ಬೆ. ನ. ಮಾ 19/01					Total Rs: 9,23,064-00 IT - 9231-00 Cess - 9231-00 CBE - 923-00 LR - 15535-00 CGST - 8242-00 SGST - 8242-00 Add 51404-00 Chq Rs: 8.71,660-00	